

August 28, 1996

Mr. Taylor C. Vaughan
Senior Executive Vice President
Vaughan Furniture Company, Inc.
P.O. Box 1489
Galax, VA 24333

Location: Patrick County
Registration No: 30973
County-Plant No: 141-0022

Dear Mr. Vaughan:

Attached is a permit to construct and operate a furniture manufacturing facility, to include a wood/coal-fired boiler, assorted woodworking equipment, wood drying, wood gluing, wood finishing operations, and an emergency fire pump, in accordance with the provisions of the Commonwealth of Virginia State Air Pollution Control Board Regulations for the Control and Abatement of Air Pollution.

The permit contains legally enforceable conditions. Failure to comply may result in a Notice of Violation and civil penalty. Please read all permit conditions carefully.

In the course of evaluating the application and arriving at a final decision to approve the

project, the Department of Environmental Quality (DEQ) deemed the application complete on June 21, 1996.

This approval to construct and operate shall not relieve Vaughan Furniture Company, Inc. of the responsibility to comply with all other local, state and federal permit regulations.

9 VAC 5-20-90 (formerly Section 120-02-09) of the Board's Regulations provides that you may request a formal hearing from this case decision by filing a petition with the Board within 30 days after this case decision notice was mailed or delivered to you. Please consult the relevant regulations for additional requirements for such requests.

Additionally, as provided by Rule 2A:2 of the Supreme Court of Virginia, you have 30 days from the date you actually received this permit or the date on which it was mailed to you, whichever occurred first, within which to initiate an appeal to court by filing a Notice of Appeal with:

Thomas L. Hopkins, Director
Department of Environmental Quality
P.O. Box 10009
Richmond, Virginia 23240-0009

In the event that you receive this permit by mail, three days are added to the period in which to file an appeal. Please refer to Part Two A of the Rules of the Supreme Court of Virginia for additional information including filing dates and the required content of the Notice of Appeal.

If you have any questions concerning this permit, please call the regional office at 804-582-5120.

Sincerely,

T. L. Henderson
Regional Director

TLH/EAA/30973.PAA

Attachments: Permit

NSPS, Subpart Dc
NESHAP, Subpart JJ Tables 4 and 5

cc: Director, OPATS (electronic file submission)
Manager, Data Analysis (electronic file submission)
Manager, Enforcement and Compliance (electronic file submission)
Chief, Air Enforcement Branch (3AT20), U. S. EPA, Region III

NEW SOURCE PERFORMANCE STANDARDS PERMIT
NATIONAL EMISSIONS STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR
SOURCE CATEGORIES PERMIT

STATIONARY SOURCE PERMIT TO CONSTRUCT AND OPERATE

In compliance with the Federal Clean Air Act and the Commonwealth of Virginia
Regulations for the Control and Abatement of Air Pollution,

Vaughan Furniture Company, Inc.
P.O. Box 1489
Galax, VA 24333
Registration No. 30973
County-Plant No. 141-0022

is authorized to construct and operate

a wood furniture manufacturing facility

located at

Rich Creek Corporate Park
Patrick County, near Stuart, Virginia

in accordance with the Conditions of this permit.

Approved on August 28, 1996
Reissued on May 3, 2001

Director, Department of Environmental Quality

Permit consists of 27 pages.
Permit Conditions 1 to 76.

PERMIT CONDITIONS - the regulatory reference and authority for each condition is listed in parentheses () after each condition.

APPLICATION AND EQUIPMENT

1. Except as specified in this permit, the permitted facility is to be constructed and operated as represented in the permit application dated April 11, 1996, including amendment sheets dated May 7, 1996; May 20, 1996; June 7, 1996; June 20, 1996 and in the reissued permit dated May 3, 2001. Any changes in the permit application specifications or any existing facilities which alter the impact of the facility on air quality may require a permit. Failure to obtain such a permit prior to construction may result in enforcement action. (9 VAC 5-170-160 and 9 VAC 5-50-390)

2. Equipment to be constructed consists of:

- miscellaneous woodworking equipment controlled by:
 - two baghouses rated at 54,000 acfm
 - one baghouse rated at 28,000 acfm
- a wood finishing operation consisting of
 - a finishing line consisting of 12 spray booths
 - a machine room spray booth
 - a stain booth
 - a drawer booth
- a wood/coal-fired boiler (B1) with a maximum design heat input capacity of 28 million Btu/hr
- two wood storage silos and one coal storage silo
- three dry kilns consisting of:
 - one 60,000 board foot capacity dry kiln
 - two 80,000 board foot capacity dry kilns
- gluing equipment consisting of:
 - one cold press
 - two glue spreaders
 - two glue reels with optisizers
 - one hot press
 - one L&L (electronic gluing machine)
- one 231 horsepower emergency diesel powered fire pump

WOOD/COAL BOILER CONDITIONS

3. Particulate emissions from the wood/coal-fired boiler shall be controlled by two multicyclones in series. An annual internal inspection shall be conducted on the multicyclones by the permittee to insure structural integrity. The multicyclones shall be equipped with a device to continuously measure differential pressure drop across the multicyclones. The multicyclones shall be provided with adequate access for inspection.

(9 VAC 5-80-10 H and 9 VAC 5-50-260)

4. The transfer of the wood waste to the wood storage silo shall be controlled by a fabric filter and/or a completely enclosed transfer system.
(9 VAC 5-170-160)
5. The approved fuels for the wood/coal-fired boiler are wood and coal. Excluded is any wood which contains chemical treatments or has affixed thereto paint and/or finishing materials or paper or plastic laminates. The sulfur content of the coal to be burned in the boiler shall not exceed 0.75 percent per shipment. The permittee shall maintain records (supplier fuel analysis) of all coal shipments purchased. These records shall be available for inspection by the DEQ. Such records shall be current for the most recent five years. A change in the fuels may require a permit to modify and operate.
(9 VAC 5-170-160 and 9 VAC 5-80-10)
6. The boiler and control equipment shall be constructed so as to allow for emissions testing and monitoring upon reasonable notice at any time, using appropriate methods. All test ports shall be located as required by the appropriate test methods.
(9 VAC 5-50-30 F)
7. The boiler shall consume no more than 15,330 tons per year of wood and 3,504 tons per year of coal, calculated as the sum of each consecutive 12 month period. Additionally, the total Btu input shall not exceed 245.28×10^9 Btus during each consecutive 12 month period. (9 VAC 5-170-160)
8. Except as specified in this permit, the boiler is to be operated in compliance with Federal requirements under 40 CFR 60, Subpart Dc.
(9 VAC 5-170-160 and 5-50-410)
9. Emissions from the operation of the boiler shall not exceed the limits specified below:

Total Suspended			
Particulate	0.3 lbs/ 10^6 Btu	8.4 lbs/hr	36.8 tons/yr
PM-10	0.3 lbs/ 10^6 Btu	8.4 lbs/hr	36.8 tons/yr
Sulfur Dioxide	1.2 lbs/ 10^6 Btu input emission limit on a 30 day rolling average basis for the coal burned	38.0 lbs/hr 33.6 lbs/hr on a 30 day rolling average basis for the coal burned	58.9 tons/yr
Nitrogen Oxides (as NO ₂)		13.7 lbs/hr	24.0 tons/yr

Carbon Monoxide	23.8 lbs/hr	104.2 tons/yr
Volatile Organic Compounds	0.4 lbs/hr	1.7 tons/yr

(9 VAC 5-50-260 and 9 VAC 5-50-410)

10. Visible emissions from the boiler exhaust shall not exceed 20 percent opacity except during one six-minute period in any one hour in which visible emissions shall not exceed 27 percent opacity, as determined by EPA Method 9 (reference 40 CFR 60, Appendix A). This condition applies at all times except during startup, shutdown and malfunction. Visible emission evaluations (VEE) shall be conducted on the boiler stack. The details of the test shall be arranged with the West Central Office.
(9 VAC 5-170-160, 9 VAC 5-50-260 and 9 VAC 5-50-20)
11. Visible emissions from the coal storage silo shall not exceed 5 percent opacity, as determined by EPA Method 9 (reference 40 CFR 60, Appendix A).
(9 VAC 5-170-160 and 9 VAC 5-50-20)
12. The permittee shall furnish written notification to the West Central Office of: **-initial notification has been completed**
 - a. The actual date on which construction of the boiler commenced within 10 days after such date.
 - b. The anticipated start-up date of the boiler postmarked not more than 60 days nor less than 30 days prior to such date.
 - c. The actual start-up date of the boiler within 10 days after such date.

Copies of written notification referenced in items a, b, and c shall be sent to:

Chief
Office of Air Enforcement
U. S. Environmental Protection Agency
Region III
1650 Arch Street
Philadelphia, PA 19103-2029

Each notification shall include the design heat input capacity of the boiler, and identification of fuels to be combusted.
(9 VAC 5-170-160, 5-50-410 and 9 VAC 5-50-50)

13. The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. The content of and format of such records shall be arranged with the West Central Office. These records shall include, but are not limited to:

- a. Tons of wood combusted in the boiler on a daily, monthly, and annual basis. Tons per year consumption is calculated as the sum of each consecutive 12 month period.
- b. Tons of coal combusted in the boiler on a daily, monthly, and annual basis. Tons per year consumption is calculated as the sum of each consecutive 12 month period. These records shall be available for inspection by the DEQ and shall be current for the most recent five (5) years.
(9 VAC 5-50-50 (formerly Section 120-05-05) of State Regulations)
- c. **NSPS Reporting:** The permittee shall submit semi-annual NSPS Subpart Dc reports to EPA and the West Central Office at the addresses below within 30 days after each semi-annual period ending each December 31 and June 30 for coal fuel as required by 40 CFR 60 Subpart Dc (NSPS Dc). If no coal shipments were received during the semi-annual period, the semi-annual report shall consist of the dates included in the semi-annual period and a statement that no coal was received during the semi-annual period. If coal was received during the semi-annual period, the report shall include:

Copy of fuel supplier certifications as required in the recordkeeping section above for this boiler.

A certified statement signed by the owner or operator of the affected facility that the records of fuel supplier certifications submitted represent all of the coal combusted during the reporting period.

The NSPS Subpart Dc reports shall be submitted to:

US EPA Region III
Air Protection Division (3AP00)
Attn: 40 CFR 60 Subpart Dc Coordinator
1650 Arch Street
Philadelphia, PA 19103

VA DEQ
Director, West Central Regional Office
Attn: Air Compliance Manager
3019 Peters Creek Road

Roanoke, VA 24019

(9 VAC 5-80-110, 9 VAC 5-50-20, 9 VAC 5-50-50, 9 VAC 5-50-410 (40 CFR 60 Subpart Dc)

d. Fuel supplier certifications for each shipment of coal. Each fuel supplier certification shall include the following information:

- i. The name of the fuel supplier, date, and quantity of coal in the shipment.
- ii. The location of the coal when the sample was collected for analysis to determine the properties of the coal (refr. 40 CFR 60.48 (f)(3)(ii)).
- iii. The results of the analysis , including the sulfur content, moisture content, ash content, and heat content. (refr. 40 CFR 60.48c(f)(3)).
- iv. The methods used to determine the properties of the coal (refr. 40 CFR 60.48c (f)(3)).

These records shall be available on site for inspection by the DEQ and shall be current for the most recent (5) years.

(9 VAC 5-80-110, 9 VAC 5-50-20, 9 VAC 5-50-50, 9 VAC 5-50-410 (40 CFR 60 Subpart Dc), 8-28-96 NSRPC 3 and 11)

WOODWORKING CONDITIONS

14. Particulate emissions from the woodworking operation shall be controlled by fabric filters. Each fabric filter shall be provided with adequate access for inspection. Each fabric filter shall be equipped with a device to continuously measure the differential pressure drop across the fabric filter. Each device shall be installed in an accessible location and shall be maintained by the permittee such that it is in proper working order at all times.

9 VAC 5-80-10 H and 9 VAC 5-50-260 (formerly Sections 120-08-01 H and 120-05-0403) of State Regulations)

15. All subsequent transfer of the collected material from the woodworking operation shall be controlled by a fabric filter and/or a completely enclosed transfer system.
(9 VAC 5-50-260)

16. Fugitive particulate emissions from the collection and transferring of collected wood waste shall be controlled by:

- a. Covering of all conveyors or
- b. Complete enclosure

(9 VAC 5-50-260)

17. The woodworking control equipment shall be constructed so as to allow for emissions testing and monitoring upon reasonable notice at any time, using appropriate methods. Test ports shall be provided at the appropriate locations located as required by the appropriate test method(s).
(9 VAC 5-80-10H, 9 VAC 5-50-20C, and 9 VAC 5-50-260)

18. The annual throughput of wood for the woodworking operation shall not exceed 7,000,000 board feet, calculated as the sum of each consecutive 12 month period.
(9 VAC 5-80-10H)

19. Emissions from the woodworking operation of the facility shall not exceed the limits specified below:

Total Suspended Particulate	23.3 tons/yr
PM-10	23.3 tons/yr

For each of the 54,000 acfm fabric filters the emissions shall not exceed the limits specified below:

Total Suspended Particulate 0.01 gr/dscf	4.7 lbs/hr
PM-10	4.7 lbs/hr

For the 28,000 acfm fabric filter the emissions shall not exceed the limits specified below:

Total Suspended Particulate 0.01 gr/dscf	2.4 lbs/hr
PM-10	2.4 lbs/hr

The lbs/hr and tons/yr emissions are derived from the estimated overall emission contribution.
(9 VAC 5-50-260)

20. Visible emissions from the fabric filters shall not exceed five (5) percent opacity as determined by EPA Method 9 (reference 40 CFR 60, Appendix A). This condition applies at all times except during startup, shutdown and malfunction. VEE shall be performed on the fabric filters in accordance with 40 CFR, Part 60, Appendix A, Method 9. The details of the tests are to be arranged with the West Central Office.
(9 VAC 5-50-260)

21. Visible emissions from any fugitive emission points shall not exceed ten percent opacity as determined by EPA Method 9 (reference 40 CFR 60, Appendix A). This condition applies at all times except during startup, shutdown and malfunction.
(9 VAC 5-50-260)
22. The permittee shall furnish written notification to the West Central Office of **Completed-**
 - a. The actual date on which construction of the woodworking operation commenced within 10 days after such date.
 - b. The actual start-up date of the woodworking operation within 10 days after such date.
(9 VAC 5-20-110)
23. The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. The content of and format of such records shall be arranged with the West Central Office. These records shall include, but are not limited to the monthly and yearly throughput of number of board feet of wood. Annual throughput shall be calculated as the sum of each consecutive 12 month period. These records shall be available for inspection by the DEQ and shall be current for the most recent five (5) years.
(9 VAC 5-50-50)

WOOD COATING CONDITIONS

24. Particulate emissions from the spray booths shall be controlled by fiberglass filters or equivalent. The spray booths shall be provided with adequate access for inspection.
(9 VAC 5-80-10 H and 9 VAC 5-50-260)
25. The spray booths shall be constructed so as to allow for emissions testing and monitoring upon reasonable notice at any time, using appropriate methods. Test ports shall be provided at the appropriate locations.
(9 VAC 5-50-30 F)
26. Volatile Organic Compound emissions from the spray booths shall be minimized by the use of airless spray nozzles.
(9 VAC 5-50-260)
27. Emissions from the operation of the furniture finishing spray booths shall not exceed the limits specified below:

Total Suspended Particulate	38.7 lb/hr	55.6 tons/yr
PM-10	38.7 lb/hr	55.6 tons/yr
Volatile Organic Compounds	323.0 lb/hr	232.0 tons/yr

Visible emissions from the furniture finishing spray booth exhausts shall not exceed five (5) percent opacity as determined by EPA Method 9 (reference 40 CFR 60, Appendix A)
(9 VAC 5-50-260, 9 VAC 5-170-160, and 9 VAC 5-50-20)

28. The permittee shall furnish written notification to the West Central Office of:-
completed initial notification
- a. The actual date on which construction of the furniture finishing spray booths commenced within 10 days after such date.
 - b. The actual start-up date of the furniture finishing spray booths within 10 days after such date.
(9 VAC 5-50-50)
29. The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. The content of and format of such records shall be arranged with the West Central Office. These records shall include, but are not limited to a monthly and annual material balance including the throughput and emissions of VOC and TSP pollutants. Annual throughput and emissions shall be calculated as the sum of each consecutive 12 month period. These records shall be available on site for inspection by the DEQ and shall be current for the most recent five (5) years.
(9 VAC 5-50-50)

MACT CONDITIONS

30. Except as specified in this permit, the facility is to be operated in compliance with Federal requirements under 40 CFR 63, Subpart JJ.
(9 VAC 5-170-160 and CFR 63.800(f))
31. Volatile Hazardous Air Pollutant (VHAP) emissions from the facility shall not exceed the limits specified in 40 CFR 63.802(b) and 63.804(d)(2) & (e)(1) and repeated below:
- a. Compliant finishing materials shall be used in the finishing operation and shall meet the following specifications:
 - i. Each sealer and topcoat has a VHAP content of no more than 0.8 lb VHAP/lb solids, as applied;

- ii. Each stain has a VHAP content of no more than 1.0 lb VHAP/lb solids, as applied;
 - iii. Each thinner contains no more than 10.0 percent VHAP by weight;
 - iv. Each washcoat, basecoat, and enamel that is purchased pre-made, that is, it is not formulated onsite by thinning another finishing material, has a VHAP content of no more than 0.8 lb VHAP/lb solids, as applied;
 - v. Each washcoat, basecoat, and enamel that is formulated onsite is formulated using a finishing material containing no more than 0.8 lb VHAP/lb solids and a thinner containing no more than 3.0 percent HAP by weight.
- b. Compliant contact adhesives shall be used that have a VHAP content no greater than 0.2 lb VHAP/lb solids, as applied;
 - c. Strippable spray booth coatings shall be used that contain no more than 0.8 lb VOC/lb solids, as applied.

(9 VAC 5-170-160 and 40 CFR 63.802(b) & 63.804(d)(2) & (e)(1))

32. The permittee shall provide the following notifications in writing to the Administrator:-
initial notification has been completed
- a. The date when construction commenced, delivered or postmarked not later than 30 days after such date;
 - b. Anticipated date of startup of the source, delivered or postmarked not more than 60 days nor less than 30 days before such date; and
 - c. Actual date of startup of the source, delivered or postmarked within 15 calendar days after that date.

All submittals to the Administrator shall be addressed to:

EPA Region III
Director, Air, Radiation and Toxics Division
1650 Arch Street
Philadelphia, PA 19103-2029

Copies of written notification referenced in items a, b, and c shall be sent to the West Central Office.

(9 VAC 5-170-160 and 40 CFR 63.9(b)(4) and 63.13)

33. Before a Title V permit has been issued to the permittee, and each time a notification of compliance status is required, the permittee shall submit to the Administrator and the West Central Office a notification of compliance status, signed by the responsible official who shall certify its accuracy, attesting to whether the source has complied with Subpart JJ. The notification shall list: **initial notification has been completed**
- a. The methods that were used to determine compliance;
 - b. The results of any performance tests, opacity or visible emission observations, continuous monitoring system (CMS) performance evaluations, and/or other monitoring procedures or methods that were conducted;
 - c. The methods that will be used for determining continuing compliance, including a description of monitoring and reporting requirements and test methods;
 - d. The type and quantity of hazardous air pollutants emitted by the source, reported in units and averaging times and in accordance with the test methods specified;
 - e. An analysis demonstrating whether the facility is a major source or an area source (using the emissions data generated for this notification);
 - f. A description of the air pollution control equipment (or method) for each emission point, including each control device (or method) for each hazardous air pollutant and the control efficiency (percent) for each control device (or method); and
 - g. A statement by the permittee as to whether the facility has complied with the relevant standard or other requirements.

The notification shall be sent before the close of business on the 60th day following the completion of the relevant compliance demonstration activity specified in Subpart JJ.

After a Title V permit has been issued the permittee shall comply with all requirements for compliance status reports contained in the Title V permit, including reports required by Subpart JJ. After a Title V permit has been issued to the permittee, and each time a notification of compliance status is required, the permittee shall submit the notification of compliance status to the appropriate permitting authority following completion of the relevant compliance demonstration activity specified in Subpart JJ.

If the permittee submitted estimates or preliminary information in the application for approval of construction in place of the actual emissions data or control efficiencies, the permittee shall submit the actual emissions data and other correct information as soon as

available but no later than with the initial notification of compliance status required in this section.

(9 VAC 5-170-160 and 40 CFR 63.9(h))

34. The permittee shall submit an initial compliance status report stating:
- a. That compliant stains, washcoats, sealers, topcoats, basecoats, enamels, and thinners, as applicable, are being used.
 - b. That compliant contact adhesives are being used by the facility.
 - c. That compliant strippable spray booth coatings are being used by the facility.
 - d. That the work practice implementation plan has been developed and procedures have been established for implementing the provisions of the plan.

The permittee shall submit the initial compliance status report no later than 60 days after startup. The compliance certification shall be signed by a responsible official of the company that owns or operates the facility, and shall contain a statement as to whether the source is in compliance with Subpart JJ or other requirements.

Before Virginia has been delegated the authority to implement and enforce recordkeeping and reporting requirements established under Subpart JJ, the permittee shall submit reports to the Administrator and the West Central Office.

(9 VAC 5-170-160 and 40 CFR 63.804(f)(2), (5), (7), & (8), 63.807(b), 63.9(h), and 63.10(a)(4)(i))

35. The permittee shall demonstrate continuous compliance by using compliant coatings and thinners, maintaining records that demonstrate the coatings and thinners are compliant, and submitting a compliance certification with the semiannual report. The compliance certification shall state:
- a. That compliant stains, washcoats, sealers, topcoats, basecoats, enamels, and thinners, as applicable, have been used each day in the semiannual reporting period or should otherwise identify the periods of noncompliance and the reasons for noncompliance. The permittee is in violation of the standard whenever a noncompliant coating, as demonstrated by records or by a sample of the coating, is used.
 - b. That compliant contact and/or foam adhesives have been used each day in the semiannual reporting period, or should otherwise identify each day noncompliant contact and/or foam adhesives were used. Each day a noncompliant contact or foam adhesive is used is a single violation of the standard.

- c. That compliant strippable spray booth coatings have been used each day in the semiannual reporting period, or should otherwise identify each day noncompliant materials were used. Each day a noncompliant strippable booth coating is used is a single violation of the standard.
- d. The compliance certification shall state that the work practice implementation plan is being followed, or should otherwise identify the provisions of the plan that have not been implemented and each day the provisions were not implemented. During any period of time that a permittee is required to implement the provisions of the plan, each failure to implement an obligation under the plan during any particular day is a violation.

The permittee shall submit a report covering the previous 6 months of wood furniture manufacturing operations:

- a. The first report shall be submitted 30 calendar days after the end of the first 6-month period following startup.
- b. Subsequent reports shall be submitted 30 calendar days after the end of each 6-month period following the first report.
- c. The semiannual reports shall include the above information, a statement of whether the facility was in compliance or noncompliance, and, if the facility was in noncompliance, the measures taken to bring the facility into compliance.
- d. The frequency of the reports required by paragraph (c) of this section shall not be reduced from semiannually regardless of the history of the owner's or operator's compliance status.

The compliance certification shall be signed by a responsible official of the company that owns or operates the facility.

(9 VAC 5-170-160 and 40 CFR 63.804(g)(2), (5), (7), (8), & 63.807(c))

- 36. The permittee shall meet the following operation and maintenance requirements:
 - a. At all times, including periods of startup, shutdown, and malfunction, the permittee shall operate and maintain the facility, including associated air pollution control equipment, in a manner consistent with good air pollution control practices for minimizing emissions at least to the levels required by all relevant standards.
 - b. Malfunctions shall be corrected as soon as practicable after their occurrence.
 - c. Operation and maintenance requirements established pursuant to section 112 of

the Act are enforceable independent of emissions limitations or other requirements in relevant standards.

Determination of whether acceptable operation and maintenance procedures are being used will be based on information available to the Administrator which may include, but is not limited to review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source.
(9 VAC 5-170-160 and 40 CFR 63.6(e))

37. The permittee shall develop and implement the following work practice standards:
- a. Work practice implementation plan - The permittee shall prepare and maintain a written work practice implementation plan that defines environmentally desirable work practices for the wood furniture manufacturing operation and addresses each of the work practice standards presented below (in this condition). The plan shall be developed no more than 60 days after startup. The written work practice implementation plan shall be available for inspection by the Administrator upon request. If the Administrator determines that the work practice implementation plan does not adequately address each of the topics specified in Subpart JJ or that the plan does not include sufficient mechanisms for ensuring that the work practice standards are being implemented, the Administrator may require the permittee to modify the plan. Revisions or modifications to the plan do not require a revision of the source's Title V permit.
 - b. Operator training course - The permittee shall train all new and existing personnel, including contract personnel, who are involved in finishing, gluing, cleaning, and washoff operations, use of manufacturing equipment, or implementation of the requirements of this subpart. All new personnel shall be trained upon hiring. All existing personnel shall be trained within six months of startup. All personnel shall be given refresher training annually. The permittee shall maintain a copy of the training program with the work practice implementation plan. The training program shall include, at a minimum, the following:
 - i. A list of all current personnel by name and job description that are required to be trained;
 - ii. An outline of the subjects to be covered in the initial and refresher training or each position or group of personnel;
 - iii. Lesson plans for courses to be given at the initial and the annual refresher training that include, at a minimum, appropriate application techniques, appropriate cleaning and washoff procedures, appropriate equipment setup and adjustment to minimize finishing material usage and overspray, and appropriate management of cleanup wastes; and

- iv. A description of the methods to be used at the completion of initial or refresher training to demonstrate and document successful completion.
- c. Inspection and maintenance plan - The permittee shall prepare and maintain with the work practice implementation plan a written leak inspection and maintenance plan that specifies:
 - i. A minimum visual inspection frequency of once per month for all equipment used to transfer or apply coatings, adhesives, or organic solvents;
 - ii. An inspection schedule;
 - iii. Methods for documenting the date and results of each inspection and any repairs that were made;
 - iv. The timeframe between identifying the leak and making the repair, which adheres, at a minimum, to the following schedule:
 - (1) A first attempt at repair (e.g., tightening of packing glands) shall be made no later than five calendar days after the leak is detected; and
 - (2) Final repairs shall be made within 15 calendar days after the leak is detected, unless the leaking equipment is to be replaced by a new purchase, in which case repairs shall be completed within three months.
- d. Cleaning and washoff solvent accounting system - The permittee shall develop an organic solvent accounting form to record:
 - i. The quantity and type of organic solvent used each month for washoff and cleaning, as defined in 63.801 of this Subpart JJ;
 - ii. The number of pieces washed off, and the reason for the washoff; and
 - iii. The quantity of spent solvent generated from each washoff and cleaning operation each month, and whether it is recycled onsite or disposed offsite.
- e. Chemical composition of cleaning and washoff solvents - The permittee shall not use cleaning or washoff solvents that contain any of the pollutants listed in Table 4 of Subpart JJ (see attached), in concentrations subject to MSDS reporting as required by OSHA.

- f. Spray booth cleaning - The permittee shall not use compounds containing more than 8.0 percent by weight of VOC for cleaning spray booth components other than conveyors, continuous coaters and their enclosures, or metal filters, unless the spray booth is being refurbished. If the spray booth is being refurbished, that is the spray booth coating or other protective material used to cover the booth is being replaced, the permittee shall use no more than 1.0 gallon of organic solvent per booth to prepare the surface of the booth prior to applying the booth coating.
- g. Storage requirements - The permittee shall use normally closed containers for storing finishing, gluing, cleaning, and washoff materials.
- h. Application equipment requirements - The permittee shall use conventional air spray guns to apply finishing materials only under any of the following circumstances:
 - i. To apply finishing materials that have a VOC content no greater than 1.0 lb VOC/lb solids, as applied;
 - ii. For touchup and repair under the following conditions:
 - (1) The touchup and repair occurs after completion of the finishing operation; or
 - (2) The touchup and repair occurs after the application of stain and before the application of any other type of finishing material, and the materials used for touchup and repair are applied from a container that has a volume of no more than 2.0 gallons.
 - iii. When spray is automated, that is, the spray gun is aimed and triggered automatically, not manually;
 - iv. When emissions from the finishing application station are directed to a control device;
 - v. The conventional air gun is used to apply finishing materials and the cumulative total usage of that finishing material is no more than 5.0 percent of the total gallons of finishing material used during that semiannual period; or
 - vi. The conventional air gun is used to apply stain on a part for which it is technically or economically infeasible to use any other spray application technology. The permittee shall demonstrate technical or economic infeasibility by submitting to the Administrator a videotape, a technical report, or other documentation that supports the permittee's claim of

technical or economic infeasibility. The following criteria shall be used, either independently or in combination, to support the permittee's claim of technical or economic infeasibility:

- (1) The production speed is too high or the part shape is too complex for one operator to coat the part and the application station is not large enough to accommodate an additional operator; or
 - (2) The excessively large vertical spray area of the part makes it difficult to avoid sagging or runs in the stain.
- i. Line cleaning - The permittee shall pump or drain all organic solvent used for line cleaning into a normally closed container.
- j. Gun cleaning - The permittee shall collect all organic solvent used to clean spray guns into a normally closed container.
- k. Washoff operations - The permittee shall control emissions from washoff operations by:
 - i. Using normally closed tanks for washoff; and
 - ii. Minimizing dripping by tilting or rotating the part to drain as much solvent as possible.
- l. Formulation assessment plan for finishing operations - The permittee shall prepare and maintain with the work practice implementation plan a formulation assessment plan that:
 - i. Identifies VHAP from the list presented in Table 5 of Subpart JJ (see attached) that are being used in finishing operations;
 - ii. Establishes a baseline level of usage for each VHAP identified.
 - iii. Tracks the annual usage of each VHAP identified.
 - iv. If, after November 1998, the annual usage of the VHAP identified exceeds its baseline level, then the permittee of the facility shall provide a written notification to the permitting authority that describes the amount of the increase and explains the reasons for exceedance of the baseline level.
 - v. If none of the explanations listed in Subpart JJ are the reason for the increase, the permittee shall confer with the permitting authority to discuss the reason for the increase and whether there are practical and reasonable

technology-based solutions for reducing the usage.

- vi. If after November 1998, the facility uses a VHAP of potential concern for which a baseline level has not been previously established, then the baseline level shall be established as the de minimis level, based on 70 year exposure levels and data provided in the proposed rulemaking pursuant to Section 112(g) of the CAA, for that pollutant.

(9 VAC 5-170-160 and 40 CFR 63.803(a)-(l))

38. The permittee shall maintain records of the following:

- a. A certified product data sheet for each finishing material, thinner, contact adhesive, and strippable spray booth coating subject to the emission limits in Subpart JJ,
- b. The VHAP content, in lb VHAP/lb solids, as applied, of each finishing material and contact adhesive subject to the emission limits in Subpart JJ; and
- c. The VOC content, in lb VOC/lb solids, as applied, of each strippable booth coating subject to the emission limits in Subpart JJ.
- d. The permittee shall maintain onsite the work practice implementation plan and all records associated with fulfilling the requirements of that plan, including, but not limited to:
 - i. Records demonstrating that the operator training program required is in place ;
 - ii. Records collected in accordance with the inspection and maintenance plan;
 - iii. Records associated with the cleaning solvent accounting system;
 - iv. Records associated with the limitation on the use of conventional air spray guns showing total finishing material usage and the percentage of finishing materials applied with conventional air spray guns for each semiannual period;
 - v. Records associated with the formulation assessment plan
 - vi. Copies of documentation such as logs developed to demonstrate that the other provisions of the work practice implementation plan are followed.
- e. The permittee shall maintain records of the compliance certifications submitted

for each semiannual period following startup.

- f. The permittee shall maintain records of all other information submitted with the compliance status report and the semiannual report.

The permittee shall maintain files of all information (including all reports and notifications) required, recorded in a form suitable and readily available for expeditious inspection and review. The files shall be retained for at least 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. At a minimum, the most recent 2 years of data shall be retained on site. The remaining 3 years of data may be retained off site. Such files may be maintained on microfilm, on a computer, on computer floppy disks, on magnetic tape disks, or on microfiche.
(9 VAC 5-170-160 and 40 CFR 63.806(a),(b), (e), (h), (i), (j) & 63.10(b)(1))

GLUING CONDITIONS

39. The glue application systems shall be constructed so as to allow for emissions testing and monitoring upon reasonable notice at any time, using appropriate methods. Test ports shall be provided at the appropriate locations located as required by the appropriate test method(s).
(9 VAC 5-50-30 F (formerly Section 120-05-03 F) of State Regulations)
40. Volatile Organic Compound emissions from the glue application systems shall be minimized by the use of low VOC or water-base adhesives, the use of hot-melt adhesives, or adhesives curable by high frequency.
(9 VAC 5-170-160)
41. Emissions from the operation of the glue application systems shall not exceed the limits specified below:
- | | | |
|----------------------------|------------|-------------|
| Volatile Organic Compounds | 1.7 lbs/hr | 3.3 tons/yr |
|----------------------------|------------|-------------|
- The lbs/hr and tons/yr emissions are derived from the estimated overall emission contribution.
(9 VAC 5-50-260)
42. Visible emissions from the facility glue application systems shall not exceed five (5) percent opacity as determined by EPA Method 9 (reference 40 CFR 60, Appendix A).
(9 VAC 5-170-160 and 9 VAC 5-50-20)
43. The permittee shall furnish written notification to the West Central Office of: **-initial notification has been completed**

- a. The actual date on which construction of the glue application systems commenced within 10 days after such date.
- b. The actual start-up date of the glue application systems within 10 days after such date.

(9 VAC 5-170-160)

44. The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. The content of and format of such records shall be arranged with the West Central Office. These records shall include, but are not limited to a monthly and annual material balance including the throughput and emissions of VOC and Formaldehyde. Annual throughput and emissions shall be calculated as the sum of each consecutive 12 month period. These records shall be available for inspection by the DEQ and shall be current for the most recent five (5) years.

(9 VAC 5-50-50)

KILN CONDITIONS

45. The wood drying equipment shall be constructed so as to allow for emissions testing and monitoring upon reasonable notice at any time, using appropriate methods. Test ports shall be provided at the appropriate locations located as required by the appropriate test methods.

(9 VAC 5-50-30 F)

46. The annual throughput of wood to the kilns shall not exceed 11,440,000 board feet of hardwood, calculated as the sum of each consecutive 12 month period.

(9 VAC 5-170-160)

47. Emissions from the operation of the kilns shall not exceed the limits specified below:

Volatile Organic
Compounds

0.4 lbs/hr

1.2 tons/yr

The lbs/hr and tons/yr emissions are derived from the estimated overall emission contribution. Compliance with these limits shall be determined as stated in conditions number 0 and 0.

(9 VAC 5-50-260)

48. Visible emissions from the kilns shall not exceed five (5) percent opacity as determined by EPA Method 9 (reference 40 CFR 60, Appendix A).

(9 VAC 5-20-110 and 9 VAC 5-50-20)

49. The permittee shall furnish written notification to the West Central Office of:
- The actual date on which construction of the kilns commenced within 10 days after such date.
 - The actual start-up date of the kilns within 10 days after such date.

(9 VAC 5-170-160)

50. The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. The content of and format of such records shall be arranged with the West Central Office. These records shall include, but are not limited to the monthly and yearly throughput of number of board feet of wood. Annual throughput shall be calculated as the sum of each consecutive 12 month period. These records shall be available for inspection by the DEQ and shall be current for the most recent five (5) years.

(9 VAC 5-50-50)

EMERGENCY FIRE PUMP

51. The diesel fire pump is to be used only for emergency fire suppression at the facility, fire training for facility personnel, and for periodic testing and maintenance.

(9 VAC 5-170-160)

52. The diesel fire pump shall not operate more than 300 hours per year.

(9 VAC 5-170-160)

53. Emissions from the operation of the fire pump shall not exceed the limits specified below:

Nitrogen Oxides (as NO ₂)	7.2 lbs/hr	1.1 tons/yr
---------------------------------------	------------	-------------

(9 VAC 5-50-260 and 9 VAC 5-50-180)

54. The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. The content of and format of such records shall be arranged with the West Central Office. These records shall include, but are not limited to the monthly and yearly hours of operation of the fire pump. The yearly hours shall be calculated as the sum of each consecutive 12 month period. These records shall be available for inspection by the DEQ and shall be current for the most recent five (5) years.

(9 VAC 5-50-50)

GENERAL CONDITIONS

55. This permit may be modified or revoked in whole or in part for cause, including, but not limited to, the following:
- a. Violation of any terms or conditions of this permit;
 - b. Obtaining this permit by misrepresentation or failure to disclose fully all relevant facts;
 - c. A change in any condition that requires either a temporary or permanent reduction or elimination of a permitted discharge; or
 - d. Information that the permitted discharge of any pollutant poses a threat to human health, welfare, or the environment.

(9 VAC 5-170-160 and 9 VAC 5-80-10)

56. The permittee shall allow authorized local, state and federal representatives, upon the presentation of credentials:
- a. To enter upon the permittee's premises on which the facility is located or in which any records are required to be kept under the terms and conditions of this permit;
 - b. To have access to and copy at reasonable times any records required to be kept under the terms and conditions of this permit or the State Air Pollution Control Board Regulations;
 - c. To inspect at reasonable times any facility, equipment, or process subject to the terms and conditions of this permit or the State Air Pollution Control Board Regulations; and
 - d. To sample or test at reasonable times.

For purposes of this condition, the time for inspection shall be deemed reasonable during regular business hours or whenever the facility is in operation. Nothing contained herein shall make an inspection time unreasonable during an emergency.

(9 VAC 5-170-130)

57. If, for any reason, the permitted facility or related air pollution control equipment fails or malfunctions and may cause excess emissions for more than one hour, the owner shall notify the West Central Office within four (4) business hours of the occurrence.

- The portion of the facility which is subject to the provision of Rule 5-3, (toxics) shall shut down immediately upon request of the DEQ. In addition, the owner shall provide a written statement, within 14 days, explaining the problem, corrective action taken, and the estimated duration of the breakdown/shut down.
(9 VAC 5-20-180 C)
58. In order to minimize the duration and frequency of excess emissions due to malfunctions of process equipment or air pollution control equipment, the permittee shall:
- a. Develop a maintenance schedule and maintain records of all scheduled and non-scheduled maintenance. These records shall be maintained on site for a period of five years and shall be made available to DEQ personnel upon request.
 - b. Maintain an inventory of spare parts that are needed to minimize durations of air pollution control equipment breakdowns.
- (9 VAC 5-50-20E)
59. The permittee shall have available written operating procedures for the related air pollution control equipment. Operators shall be trained in the proper operation of all such equipment and shall be familiar with the written operating procedures. These procedures shall be based on the manufacturer's recommendations, at minimum. The permittee shall maintain records of training provided including names of trainees, date of training and nature of training.
(9 VAC 5-50-20E)
60. **Completed-** This permit shall become invalid if construction of the proposed facility is not commenced within eighteen (18) months of the date of this permit or if it is discontinued for a period of eighteen (18) months.
(9 VAC 5-80-10 K)
61. In the event of any change in control of ownership of the permitted source, the permittee shall notify the succeeding owner of the existence of this permit by letter and send a copy of that letter to the West Central Office.
(9 VAC 5-80-10)
62. Annual requirements to fulfill legal obligations to maintain current stationary source emissions data will necessitate your prompt response to requests for information to include, as appropriate: process and production data; changes in control equipment, and operating schedules. Such requests for information from the DEQ will either be in writing or by personal contact. The availability of information submitted to the DEQ or the Board will be governed by applicable provisions of the Freedom of Information Act, 2.1-340 through 2.1-348 of the Code of Virginia, 10.1-1314 (addressing information

provided to the Board), and 120-02-30 of the State Air Pollution Control Board Regulations. Information provided to federal officials is subject to appropriate federal law and regulations governing confidentiality of such information.
(9 VAC 5-20-160)

63. A copy of this permit shall be maintained on the premises of the facility to which it applies.
(9 VAC 5-170-160)

State-Only Enforceable Requirements

The following terms and conditions are not required under the federal Clean Air Act or under any of its applicable federal requirements.

64. The boiler shall consume no more than 15,330 tons per year of wood and 3,504 tons per year of coal, calculated as the sum of each consecutive 12 month period. Additionally, the total Btu input shall not exceed 245.28×10^9 Btus during each consecutive 12 month period.
(9 VAC 5-170-160)

65. Emissions from the operation of the boiler shall not exceed the limits specified below:

Formaldehyde	0.02 lbs/hr	0.09 tons/yr
Arsenic	0.03 lbs/hr	0.05 tons/yr
Beryllium	0.002 lbs/hr	0.004 tons/yr
Chromium	0.04 lbs/hr	0.08 tons/yr

(9 VAC 5-50-260 and 9 VAC 5-50-180)

66. Visible emissions from the boiler exhaust shall not exceed 20 percent opacity except during one six-minute period in any one hour in which visible emissions shall not exceed 27 percent opacity, as determined by EPA Method 9 (reference 40 CFR 60, Appendix A). This condition applies at all times except during startup, shutdown and malfunction. Visible emission evaluations (VEE) shall be conducted on the boiler stack. The details of the test shall be arranged with the West Central Office.
(9 VAC 5-170-160 and 9 VAC 5-50-20)

67. As of the date of this permit, the permittee is limited to use of the following volatile and/or particulate toxic compounds as listed in the permit application dated April 11, 1996 including amendments dated June 20, 1996:

Volatile Toxic Compounds

2-Butoxy Ethanol (CAS # 111-76-2)
Cumene (CAS # 98-82-8)
Ethyl Benzene (CAS # 100-41-4)
Ethylene Glycol (CAS # 107-21-1)
Methyl Alcohol (CAS # 67-56-1)
Methyl Ethyl Ketone (CAS # 78-93-3)
Methyl Isobutyl Ketone (CAS # 108-10-1)
Toluene (CAS # 108-88-3)
Triethylamine (CAS # 121-44-8)
Xylene (CAS # 1330-20-7)

Particulate Toxic Compounds

Chromium (III) Compounds
Chromium (VI) Compounds
Cobalt Compounds
Manganese Compounds

The permittee may use additional volatile and/or particulate toxic compounds under 9 VAC 5-50-160 D without obtaining a new permit provided the following conditions are met:

- a. Notification shall be given to the West Central Office. Such notification shall be made within fifteen days after the use of the additional volatile and/or particulate toxic compounds and shall include identification of the toxic compound, the date the toxic compound was first used, the anticipated maximum throughput of that compound in lbs/hr and tons/yr, and calculations demonstrating that the anticipated maximum throughput does not exceed the limitations given in this permit. Additional details of the notification should be arranged with the West Central Office.
- b. The permittee shall operate this facility in compliance with Rule 5-3 of State Regulations for all volatile and/or particulate toxic compounds.
- c. Use of any toxic compound subject to federal regulation as a hazardous air pollutant may subject the facility to additional permitting requirements in accordance with 40 CFR 61 and 40 CFR 63.
- d. Discontinuation of previously permitted toxic compounds and the use of additional volatile and/or particulate toxic compounds shall not exempt the permittee from applicable federal regulation for hazardous air pollutants under 40 CFR 61 and 40 CFR 63.
- e. If a permit is required, failure to obtain the permit prior to the change in

process formulation or the use of any additional volatile and/or particulate toxic compound may result in enforcement action.

(9 VAC 5-170-160 and 9 VAC 5-50-200)

68. The hourly throughput of each volatile and/or particulate toxic compound, calculated as the sum of the emissions from finishing operation, shall not exceed the limitations specified below:

for volatile toxic compounds having a TLV-C, the hourly throughput of any volatile toxic compound, in pounds per hour, shall not exceed $\underline{0.239} \times \text{TLV-C (mg/m}^3\text{)}$;

for particulate toxic compounds having a TLV-C, the hourly throughput of any particulate toxic compound, in pounds per hour, shall not exceed $\underline{3.187} \times \text{TLV-C (mg/m}^3\text{)}$;

for volatile toxic compounds having both a TLV-STEL and a TLV-TWA, the hourly throughput of any volatile toxic compound, in pounds per hour, shall not exceed $\underline{0.239} \times \text{TLV-STEL (mg/m}^3\text{)}$;

for particulate toxic compounds having both a TLV-STEL and a TLV-TWA, the hourly throughput of any particulate toxic compound, in pounds per hour, shall not exceed $\underline{3.187} \times \text{TLV-STEL (mg/m}^3\text{)}$;

for volatile toxic compounds having only a TLV-TWA, the hourly throughput of any volatile toxic compound, in pounds per hour, shall not exceed $\underline{0.478} \times \text{TLV-TWA (mg/m}^3\text{)}$.

for particulate toxic compounds having only a TLV-TWA, the hourly throughput of any particulate toxic compound, in pounds per hour, shall not exceed $\underline{6.373} \times \text{TLV-TWA (mg/m}^3\text{)}$.

In no event shall the hourly throughput of any volatile toxic compound exceed the maximum hourly volatile organic compound emission limitation.

In no event shall the hourly throughput of any particulate toxic compound exceed the maximum hourly particulate emission limitation.

(9 VAC 5-50-180)

69. The annual throughput of each volatile and/or particulate toxic compound, calculated as the sum of emissions from the finishing operation during any period of 12 consecutive months, shall not exceed the limitations specified below:

for volatile toxic compounds having a TLV-TWA, the annual throughput of any volatile toxic compound, in tons per year, shall not exceed $\frac{1.048}{\text{mg/m}^3} \times \text{TLV-TWA}$

for particulate toxic compounds having a TLV-TWA, the annual throughput of any particulate toxic compound, in tons per year, shall not exceed $\frac{13.973}{\text{mg/m}^3} \times \text{TLV-TWA}$

In no event shall the annual throughput of any volatile toxic compound exceed the maximum annual volatile organic compound emission limitation.

In no event shall the annual throughput of any particulate toxic compound exceed the maximum annual particulate emission limitation.
(9 VAC 5-50-180)

70. Hourly emissions of each volatile and/or particulate toxic compound, calculated as the sum of emissions from the finishing operation, shall not exceed the limitations specified below:

for volatile and/or particulate toxic compounds having a TLV-C, emissions of any volatile and/or particulate toxic compound, in pounds per hour, shall not exceed $\frac{0.239}{\text{mg/m}^3} \times \text{TLV-C}$

for volatile and/or particulate toxic compounds having both a TLV-STEL and a TLV-TWA, emissions of any volatile and/or particulate toxic compound, in pounds per hour, shall not exceed $\frac{0.239}{\text{mg/m}^3} \times \text{TLV-STEL}$

for volatile and/or particulate toxic compounds having only a TLV-TWA, emissions of any volatile and/or particulate toxic compound, in lbs per hour, shall not exceed $\frac{0.478}{\text{mg/m}^3} \times \text{TLV-TWA}$

In no event shall emissions of any volatile and/or particulate toxic compound exceed the maximum hourly volatile organic compound or particulate emission limitations.
(9 VAC 5-50-180)

71. Annual emissions of each volatile and/or particulate toxic compound, calculated as the sum of emissions from the finishing operation during any period of 12 consecutive months, shall not exceed the limitations specified below:

for volatile and/or particulate toxic compounds having a TLV-TWA, emissions of any volatile or particulate toxic compound, in tons per year, shall not exceed $\frac{1.048}{\text{mg/m}^3} \times \text{TLV-TWA}$

In no event shall emissions of any volatile and/or particulate toxic compound exceed the

maximum annual volatile organic compound or particulate emission limitations.
(9 VAC 5-50-180)

72. Visible emissions from the furniture finishing spray booth exhausts shall not exceed five (5) percent opacity as determined by EPA Method 9 (reference 40 CFR 60, Appendix) (9 VAC 5-170-160 and 9 VAC 5-50-20)
73. The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. The content of and format of such records shall be arranged with the West Central Office. These records shall include, but are not limited to a monthly and annual material balance including the throughput and emissions of Toxic pollutants. Annual throughput and emissions shall be calculated as the sum of each consecutive 12 month period. These records shall be available on site for inspection by the DEQ and shall be current for the most recent five (5) years.(9 VAC 5-50-50)

Gluings Conditions

74. The Formaldehyde throughput for the facility glue application systems shall not exceed 0.7 pounds per hour and 1.35 tons per year. The annual throughput shall be calculated as the sum of each consecutive 12 month period.
(9 VAC 5-170-160)

Emissions from the operation of the glue application systems shall not exceed the limits specified below:

- | | | |
|--------------|-------------|--------------|
| Formaldehyde | 0.13 lbs/hr | 0.24 tons/yr |
|--------------|-------------|--------------|
75. The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. The content of and format of such records shall be arranged with the West Central Office. These records shall include, but are not limited to a monthly and annual material balance including the throughput and emissions of Formaldehyde. Annual throughput and emissions shall be calculated as the sum of each consecutive 12 month period. These records shall be available for inspection by the DEQ and shall be current for the most recent five (5) years.
(9 VAC 5-50-50)
76. The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. The content of and format of such records shall be arranged with the West Central Office. These records shall include, but are not limited to a monthly and annual material balance including the throughput and emissions of VOC, TSP, and Toxic pollutants. Annual throughput and emissions shall be calculated as the sum of each consecutive 12 month period. These

records shall be available on site for inspection by the DEQ and shall be current for the most recent five (5) years.
(9 VAC 5-50-50)